

**In The Specification**

Please find attached hereto Redlined and Clean copies of the amendment to the Specification which reflect the amendments originally filed together with the Preliminary Amendment, dated October 21, 2004.

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## Noise Canceling Circuit

### 1. Field of the Invention

5 The present invention mainly relates to ripple noise cancellation in a stabilized DC power supply, and particularly provides a power circuit that achieves the high ripple noise cancellation rate with low operating current.

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### 2. Discussion of the Background Art

Not only electronic equipments, but also all the other electronic devices contain a plurality of stabilized DC power supply voltages. The power circuits are dis-  
15 posed in digital circuits, high-frequency circuits and analog circuits, said power circuits having the characteristics suitable for use in these circuits. In a cellular phone, among others, the highest ripple cancellation rate is required because a poor ripple can-  
20 cellation rate in a power supply of a transmitting section degrades the clarity of the voice conversation. Even in a digitally coded wireless communication means, a carrier signal is modulated and demodulated in an analog manner during the modulation and the de-  
25 modulation, and therefore the power source ripple noises adversely influence the error rate. As to the cancellation of these ripple noises, for example, the cancellation rate of -80dB can be achieved by causing a sufficient amount of the operating current of 100  $\mu$ A  
30 to flow. Though some inventions are proposed as described later, there is no proposal that drastically